



UTAH DEPARTMENT *of*
ENVIRONMENTAL
QUALITY

THE LONG VIEW

Partnering with the Legislature for the Public Good

Air Quality

- ULeak leak-detection program in the Uinta Basin
- Utah Winter Fine Particulate Study (UWFPS)
- CARROT program
- Upgraded monitoring system

Water Quality

- Harmful algal bloom response
- Water-quality improvement projects

Drinking Water

- Lead in Schools initiative
- Financial assistance for construction projects

Environmental Response and Remediation

- Sunset Ridge Voluntary Cleanup site
- Ogden Business Exchange Voluntary Cleanup site
- Crossing at 2100 South Voluntary Cleanup site
- Centro Civico Mexicano

Waste Management and Radiation Control

- E-Waste cleanup
- Tooele Army Depot-South cleanup



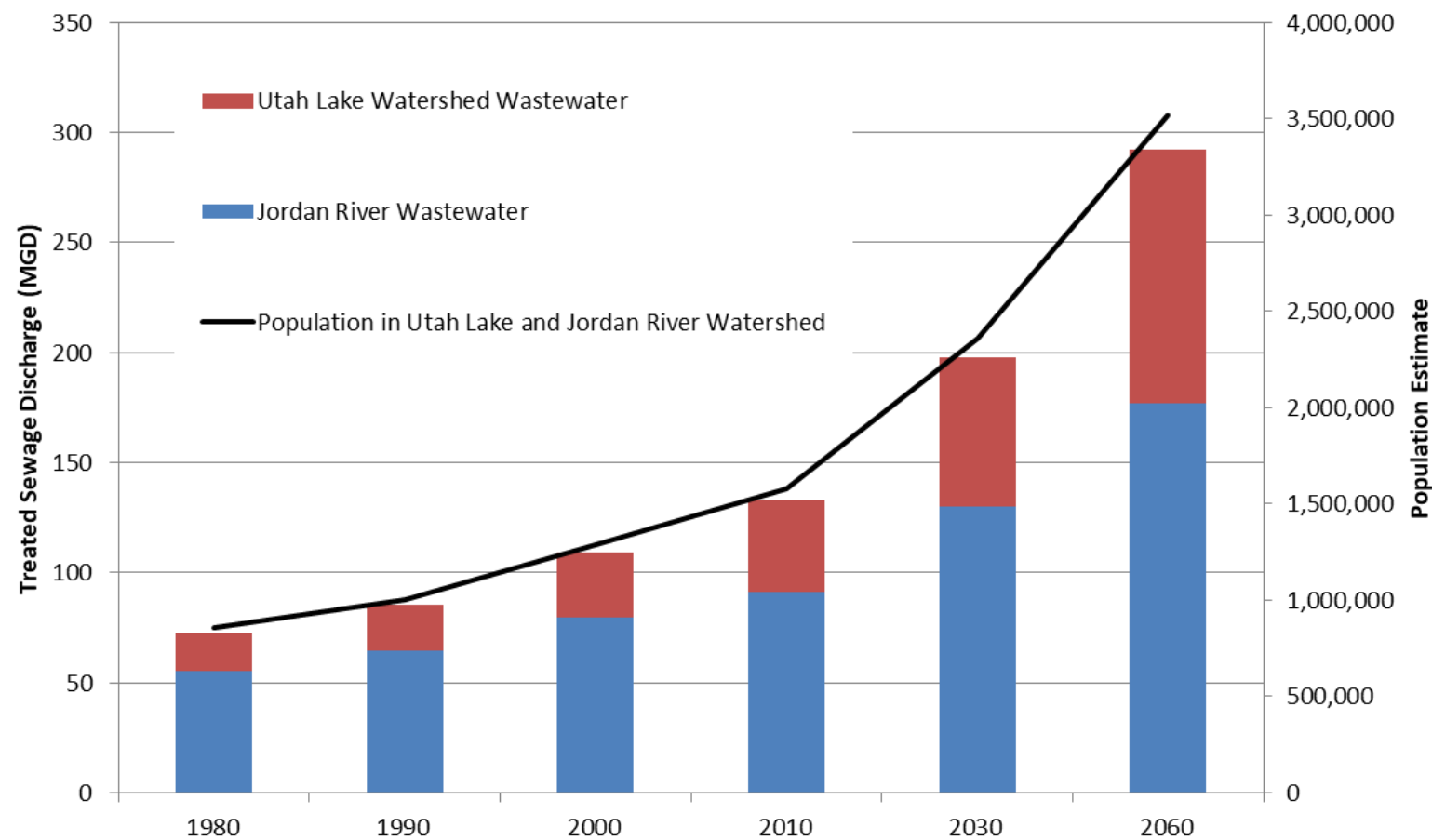
Water Quality



Population Growth

Projected Growth from 2010 to 2060

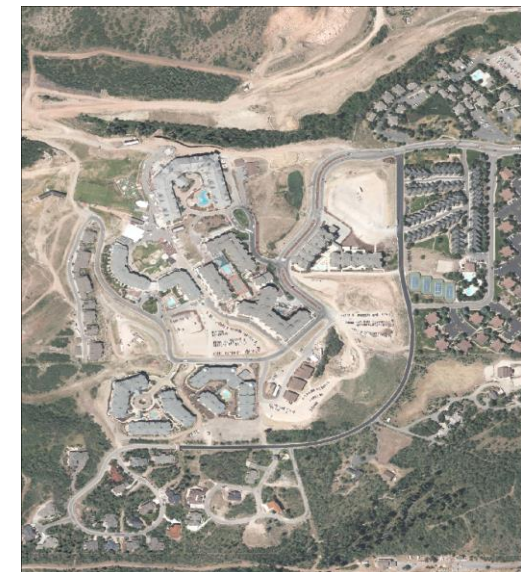
- State of Utah: 115%
- Jordan River Basin: 94%
- Utah Lake Basin: 176%



1994

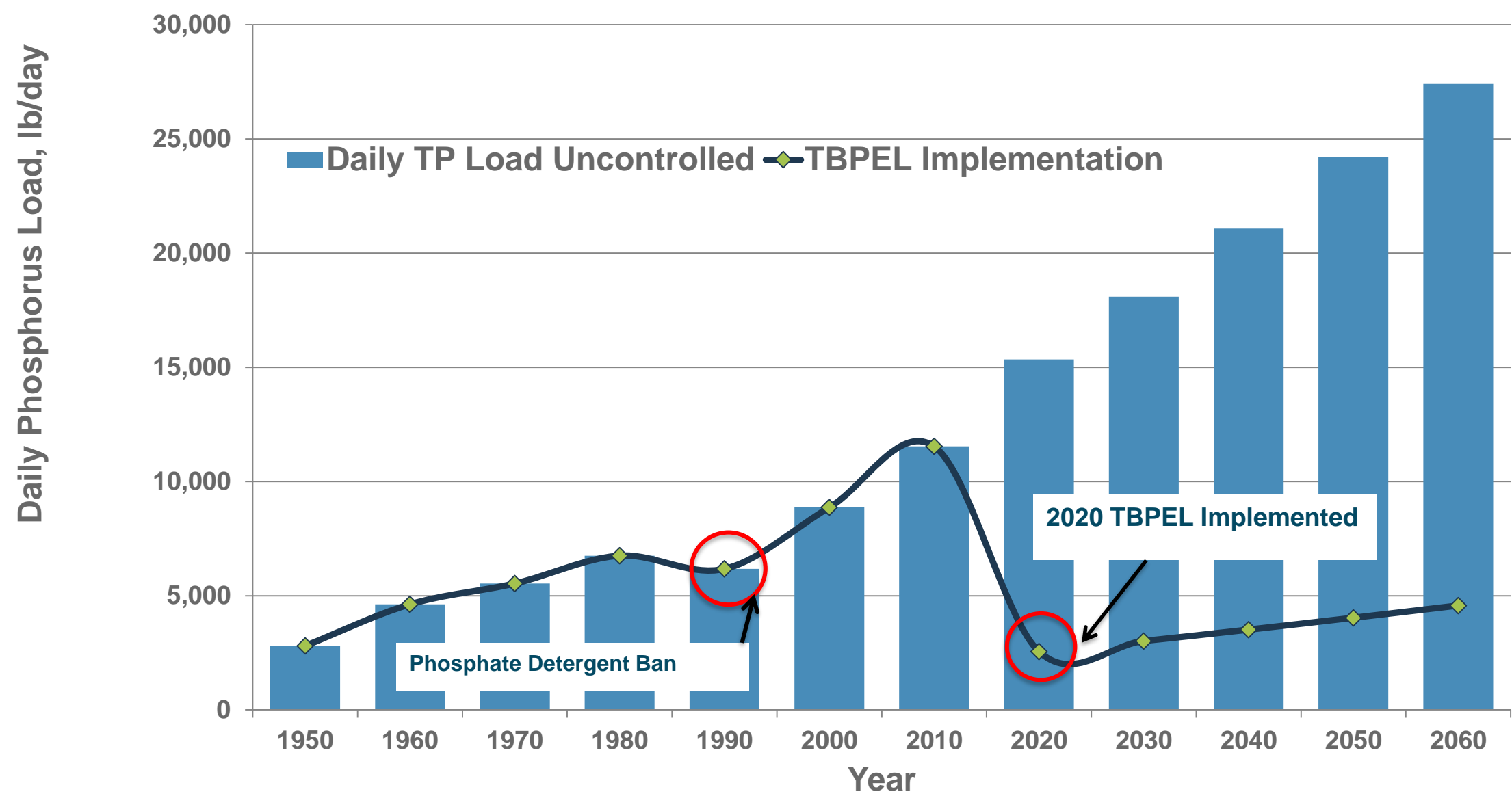


2012

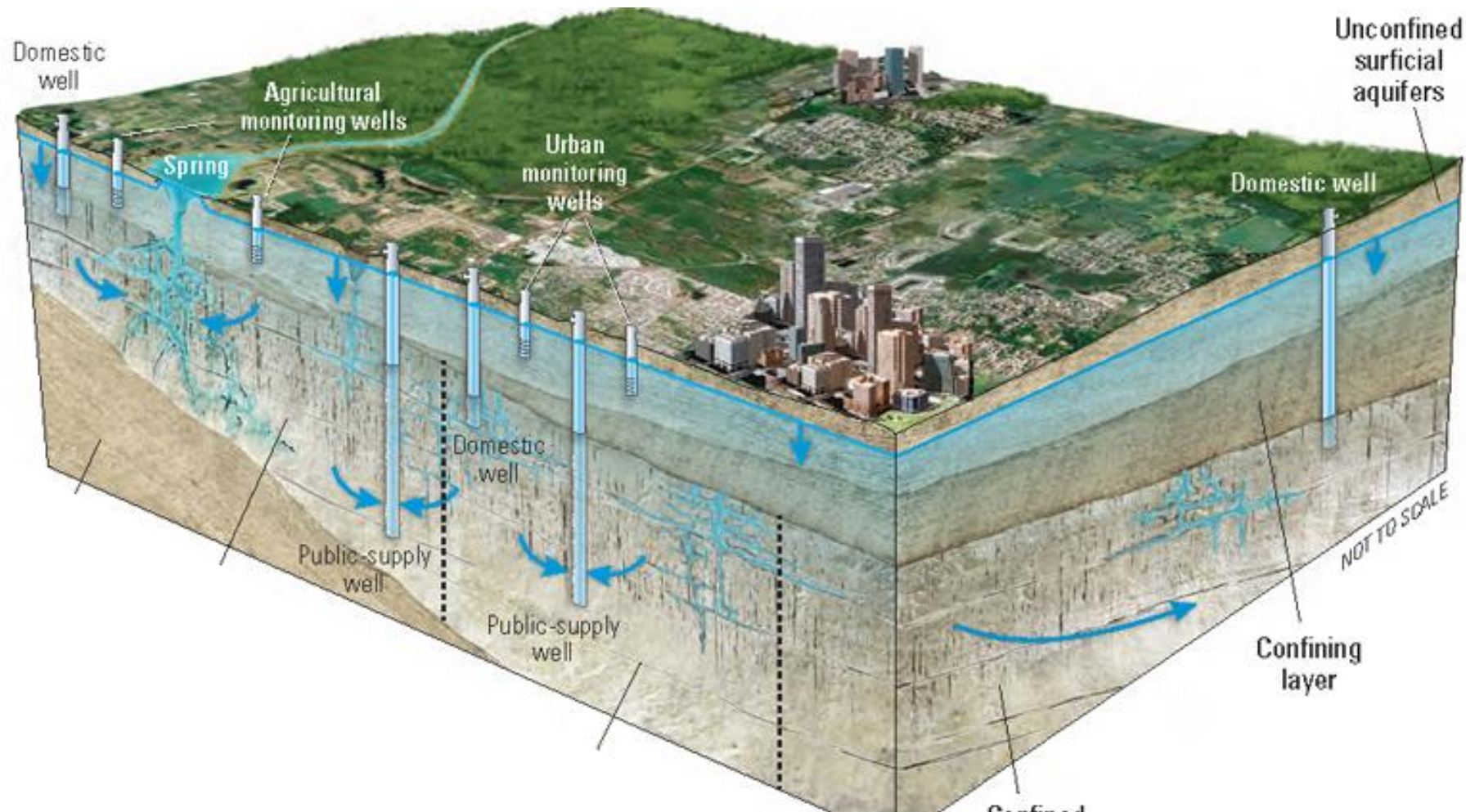


Phosphorus Control

Phosphorus Loading to Utah Waters



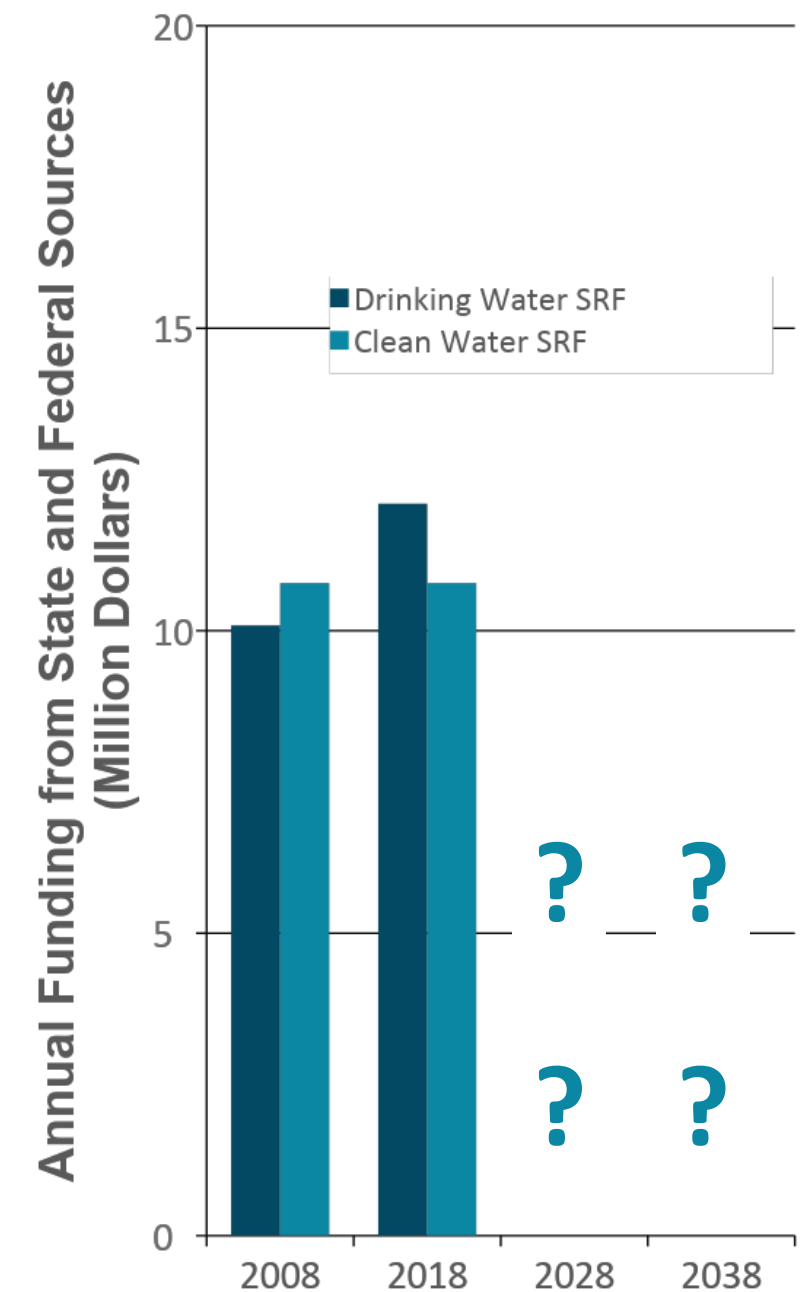
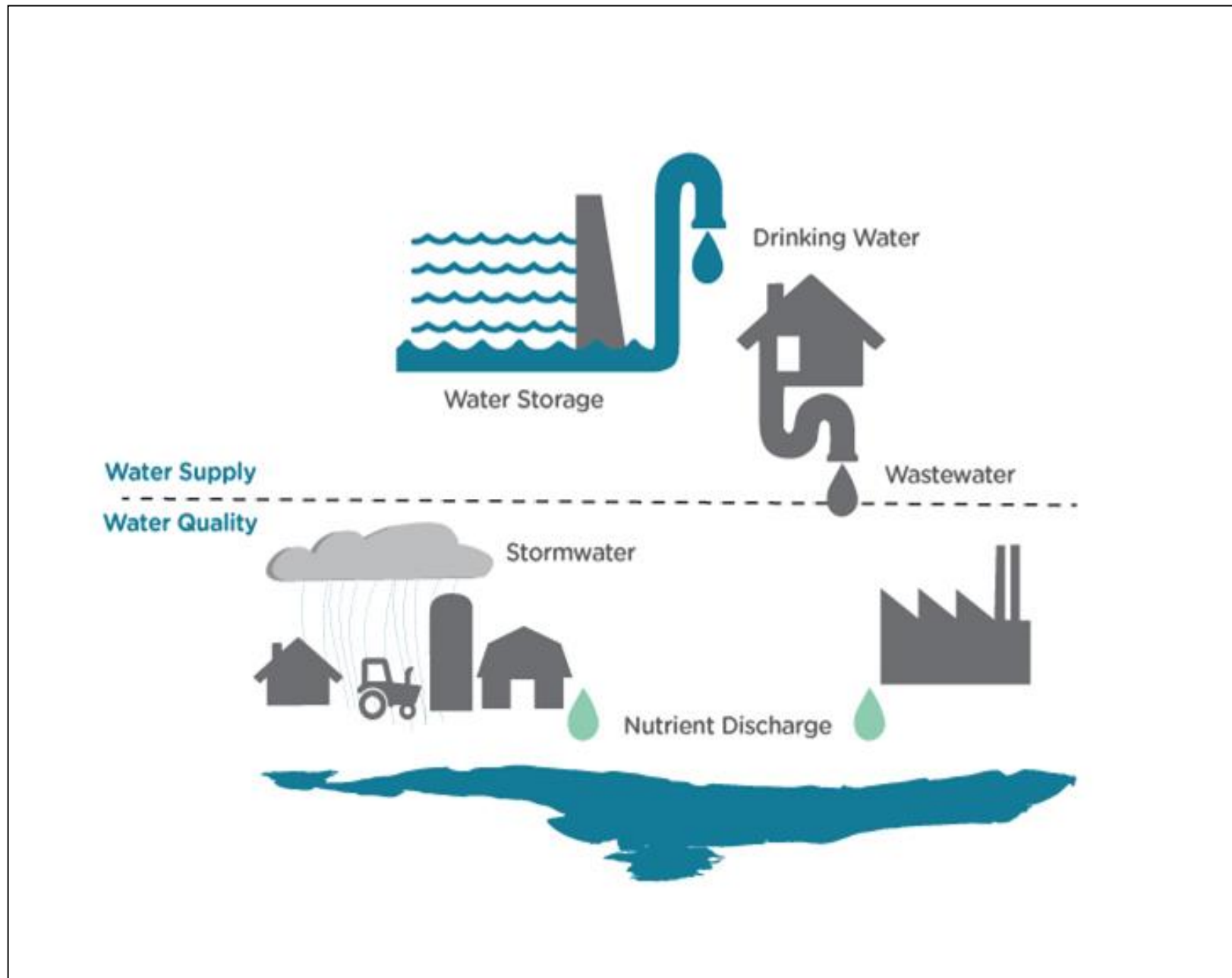
Impacts to Water Quality



↓ Aquifer recharge
Flow in streams in late summer
Source water protection

↑ Pollutant discharge
Contaminant plumes
Demand on water resources
Storm water runoff

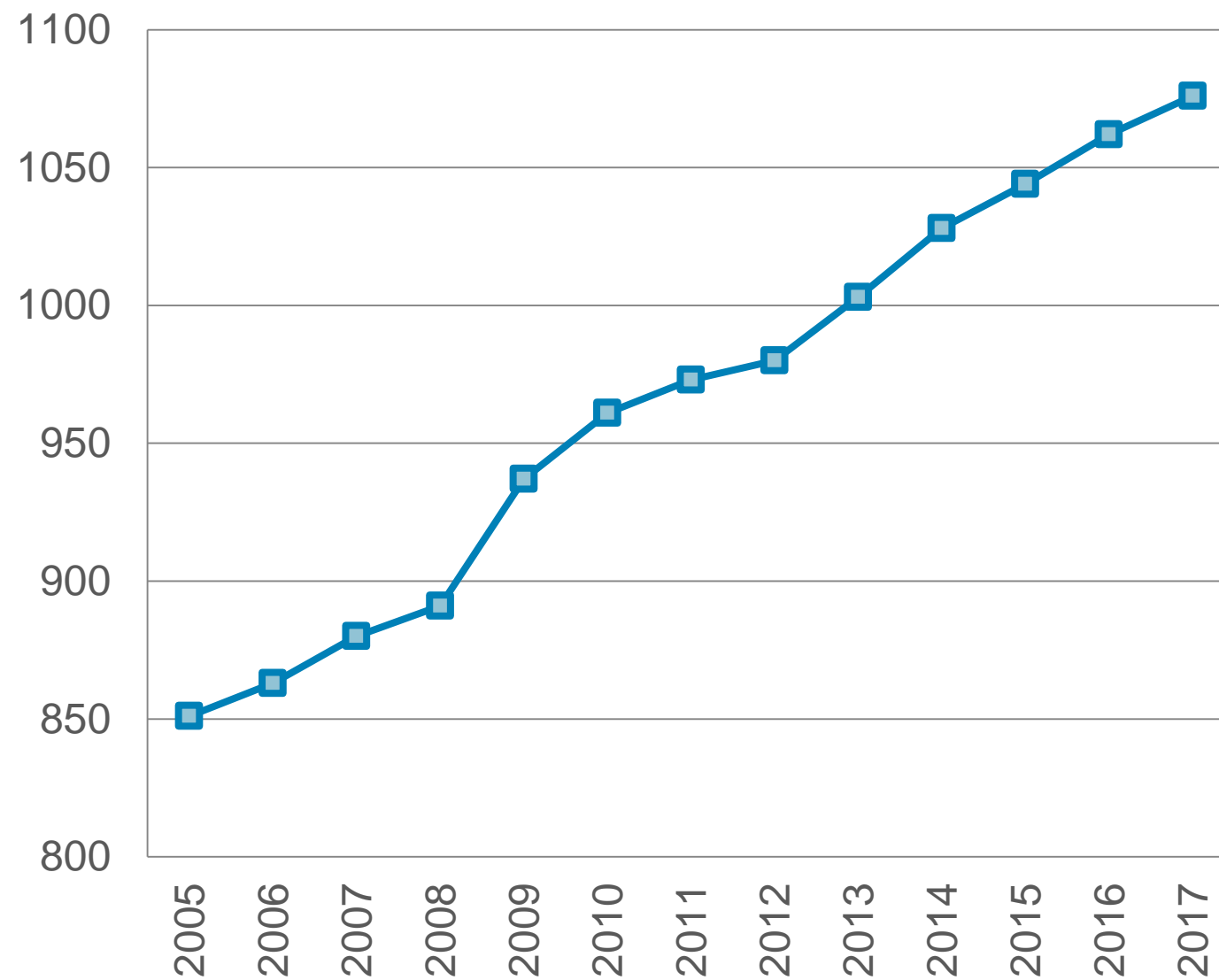
Water Infrastructure



Drinking Water



Increase in Number of Drinking Water Systems

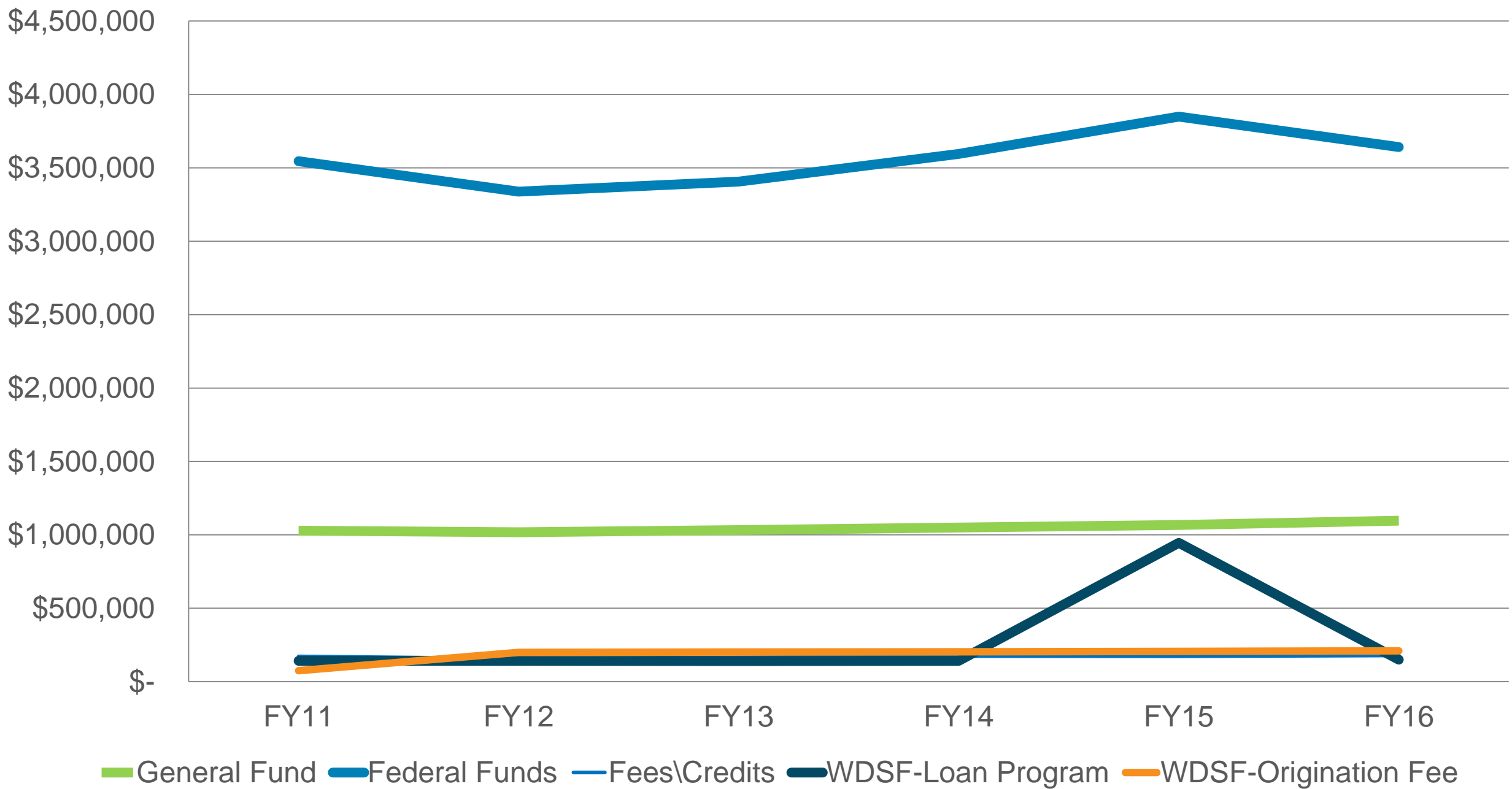


Aging Infrastructure Increasing Needs



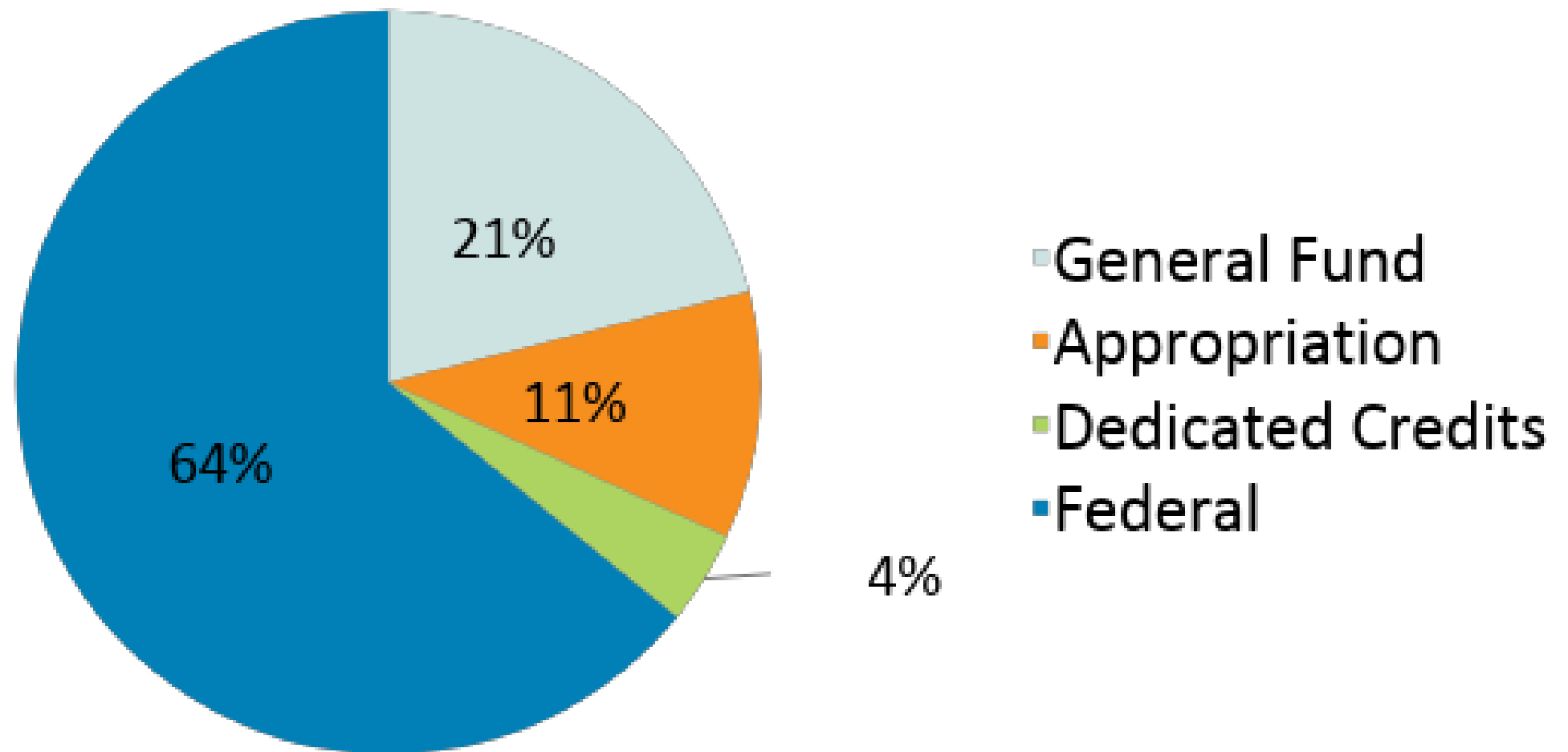
Funding Over Time

Drinking Water Funding Sources FY11-FY16



Drinking Water Funding Sources

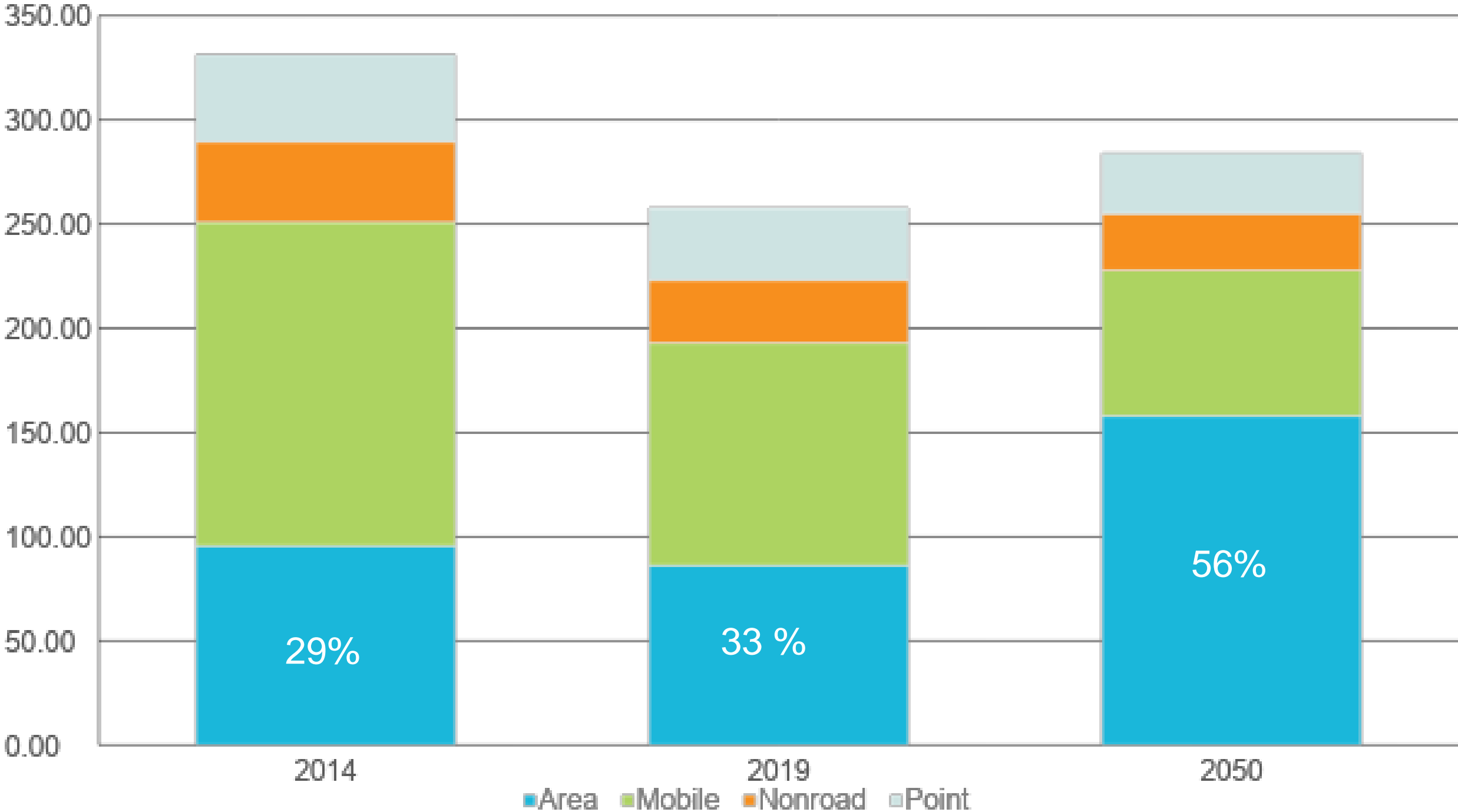
5 Year Average



Air Quality



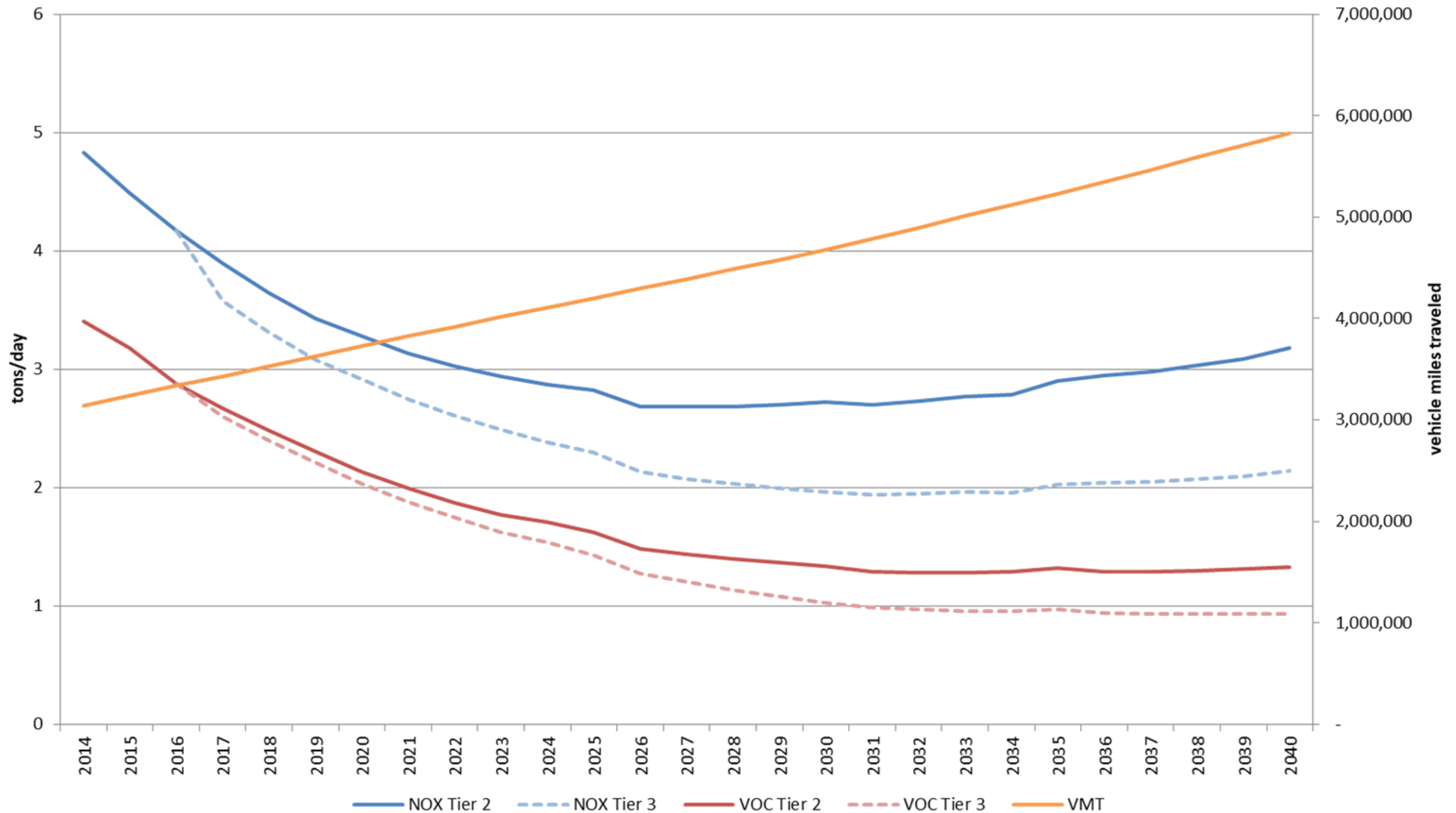
Wasatch Front Winter Daily Emissions



Sum of Nitrogen Oxides (NOx), Volatile Organic Compounds (VOCs), Fine Particulate Matter (PM2.5), and Sulfur Dioxide (SO2)



NOx and VOCs from Mobile Sources



Solid Waste Disposal



Land Remediation and Reuse



Geneva Steel Site



Geneva Residential Development

Midvale Slag Site



Smelter facilities



Southern portion prior to cleanup (2005)

Bingham Junction: Slag Site Today



Commercial property



Residential property

Bingham Junction: Wise Land Reuse

Economic benefit to Midvale (as of 2015):

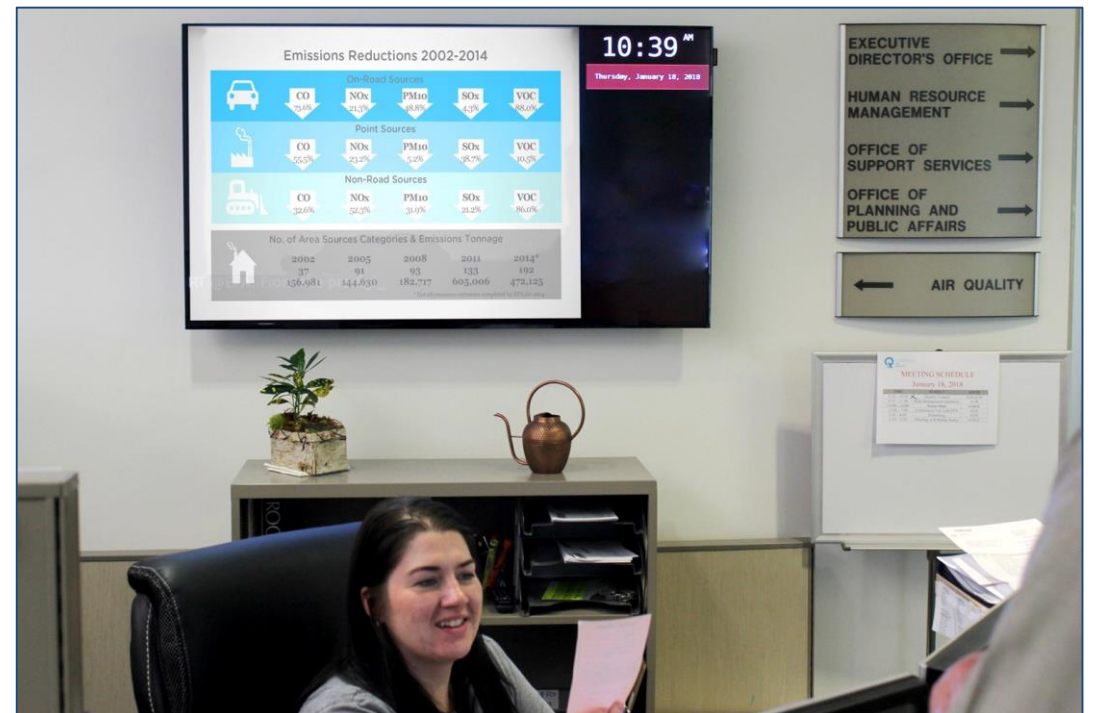
- Approximately 1,100 new jobs
- \$4.2 million in annual property tax revenues
- Total assessed value of the project area was \$3.9 million in 2004. Total estimated assessed value was over \$309 million in 2015.

Mixed use redevelopment includes:

- 175,000 square feet of Gold and Silver LEED-Certified office space, including regional headquarters of FL Smith, an international mineral and cement industry service provider
- Over 1,000 completed residential units
- A UTA light rail station
- Riverwalk Park -- an 18-acre park with local and regional trails, 20 acres of open space, and a wetland mitigation area

Performance Improvements

- Deputy Director position dedicated to performance improvement
- Performance improvement projects occurring in each DEQ section
- Pilot testing of a new management system
- Implementation of a new cost accounting system by the end of the fiscal year



Performance Improvements

- Permitting Branch process improvements (in progress)
 - Completeness of applications
 - Editing and review processes
 - Permit peer review process
- Statewide oil and gas inspections
 - Facility location mapping to reduce travel time
 - Tablets for data input
 - Infrared camera to detect leaks
- Operating permits
 - Process improvements to reduce Title V permit extensions
- New Source Review permits
 - Pre-meetings to ensure applications are complete
 - Guidance documents to assist permittees
 - Permit time clock started when completed application received



Clean Air, Land, and Water for Future Generations

